

Abstract of the Disclosure

A scheduler for providing quality of service in a local area network, wherein the local area network includes a plurality of stations, and wherein data flow moves over the network in superframes, includes a mechanism for governing channel resources in the local area network, including a transmit specification controller for granting a transmit specification to a data flow from one station on the network to another station on the network; and a TXOP mechanism for terminating transmits opportunities for stations which have successfully completed data transmission, thereby changing the length of a superframe. A method of providing quality of service in the local area network, includes governing channel resources in the local area network, including controlling transmit specifications for granting a transmit specification to a data flow from one station on the network to another station on the network; and terminating transmits opportunities with a TXOP mechanism for stations which have successfully completed data transmission, thereby changing the length of a superframe.